

In the claims

The following list of claims replaces all proceeding lists of claims.

1. (currently amended) An enhanced ~~enhanced~~ wireless access point, comprising:

an access point;

at least one omni directional antenna coupled to the access point; and

at least one ground plane mounted on at least one substrate detachably coupled to the access point and radio frequency coupled to at least one of the at least one omni directional antenna, such that when wherein the at least one ground plane is coupled to the access point the at least one omni directional antenna functions as a directional antenna to shape a coverage area of the access point and such that when the at least one ground plane is not coupled to the access point the at least one omni direction antenna provides an omni directional coverage area.

2. (currently amended) The enhanced wireless access point ~~wireless-gateway~~ according to claim 1, wherein the at least one omni directional antenna comprises at least one of a dipole, a monopole, a printed circuit board antenna, a planar inverted F antenna, a multiband dipole, a PLB microstrip antenna, and a dielectric antenna.

3. (currently amended) The enhanced wireless access point ~~wireless-gateway~~ according to claim 1, wherein the at least one omni directional antenna comprises a plurality of omni directional antennas.

4. (currently amended) The enhanced wireless access point ~~wireless-gateway~~ according to claim 3, wherein the plurality of omni directional antennas are arranged to provided diversity.

5. (currently amended) The enhanced wireless access point wireless-gateway according to claim 3 2, wherein the at least one ground plane comprises a plurality of ground planes.

6. (currently amended) The enhanced wireless access point wireless-gateway according to claim 1, wherein the at least one omni directional antenna comprises a first number of omni directional antennas and the at least one ground plane comprises a second number of ground planes where the first number of omni directional antenna is larger than the second number of ground planes.

7. (currently amended) The enhanced wireless access point wireless-gateway according to claim 1, wherein the at least one omni directional antenna comprises two omni directional antennas arranged to provided diversity.

8. (currently amended) The enhanced wireless access point wireless-gateway according to claim 7, wherein the at least one ground plane comprises one ground plane associated with one of the two omni directional antennas.

9. (currently amended) The enhanced wireless access point wireless-gateway according to claim 7, wherein the at least one ground plane comprises two ground planes, each ground plane associated with a respective one of the omni directional antennas.

10. (currently amended) The enhanced wireless access point wireless-gateway according to claim 1, wherein the at least one substrate is a bracket further-comprising:

~~at least one substrate;~~

~~the at least one ground plane is mounted on the substrate; and~~

~~the at least one substrate is releasably coupled to the access point.~~

11. (currently amended) The enhanced wireless access point ~~wireless-~~ gateway according to claim 1, wherein the access point comprises a back plane and the at least one ground plane is mounted on the back plane.

12. (currently amended) The enhanced wireless access point ~~wireless-~~ gateway according to claim 1, wherein the at least one ground plane is placed to steer a radiation pattern associated with the at least one omni directional antenna.

13. (currently amended) A wireless gateway, comprising:

an access point;

the access point comprises means for providing an omni directional radio frequency pattern; and

means detachably coupled to the access point for converting the omni directional radio frequency pattern to a directional radio frequency pattern, such that when the means detachably coupled to the access point for converting the omni directional radio frequency pattern to a directional radio frequency pattern is coupled to the access point the at least one omni directional antenna functions as a directional antenna to shape a coverage area of the access point and such that when t the means detachably coupled to the access point for converting the omni directional radio frequency pattern to a directional radio frequency pattern is not coupled to the access point the at least one omni direction antenna provides an omni directional coverage area

14. (currently amended) The wireless gateway according to claim 13, wherein the means for providing an omni directional radio frequency pattern is at least one omni directional antenna.

15. (currently amended) The wireless gateway according to claim 13, wherein the means detachably coupled to the access point for converting the omni directional radio frequency pattern to a directional radio frequency pattern is at least one ground plane.

16. (currently amended) The wireless gateway according to claim 13, wherein the means detachably coupled to the access point for converting the omni directional radio frequency pattern to a directional radio frequency pattern is about  $\frac{1}{4}$  wavelength from the means for providing an omni directional radio frequency pattern.

17. (currently amended) A wireless gateway, comprising:

an access point;

the access point adapted to connect to a network;

a bracket;

the bracket ~~releasably~~ detachably coupled to the access point; and

the access point further comprises:

a first omni directional antenna; and

a second omni directional antenna;

the bracket further comprises:

a first ground plane;

such that when the bracket is ~~releasably~~ coupled to the access point, the first ground plane causes the first omni directional antenna to exhibit a first directional antenna radiation pattern and when the bracket is detached from the access point, the first omni directional antenna exhibits a first omni directional antenna radiation pattern.

18. (original) The wireless gateway according to claim 17, wherein the first ground plane causes the second omni directional antenna to exhibit a directional antenna radiation pattern.

19. (original) The wireless gateway according to claim 17, wherein the bracket comprise a second ground plane and the second ground plane causes the second omni directional antenna to exhibit a section directional antenna radiation pattern.

20. (currently amended) The wireless gateway according to claim 17, wherein when the bracket is ~~releasably~~ detachably coupled to the access point, the first ground plane is about  $\frac{1}{4}$  wavelength from the first omni directional antenna.